1 VQE results Aer Estimator (No Shots)

		(Full Hamiltonian)		Harmonic Oscillator		COYBLA Max 10K Iterations			
Ansatz	Tolerance	Converged runs	Mean iter	VQE min E.	Δ_{min}	VQE median E.	Δ_{median}	Exact	Time
RA r1 rl	1e-01	100/100	92	5.573e - 03	5.573e - 03	3.9838e - 02	3.9838e - 02	0e+00	00h 00m 30s
RA r1 rl	1e - 02	100/100	165	$5.6144e{-05}$	$5.6144e{-05}$	4.1757e - 04	4.1757e - 04	-	00h~00m~50s
RA r1 rl	1e - 03	100/100	283	7.3709e - 07	7.3709e - 07	$4.6328e{-06}$	$4.6328e{-06}$	-	$00h\ 01m\ 24s$
RA r1 rl	$1e{-04}$	100/100	491	$8.3441e{-09}$	$8.3441e{-09}$	$6.3936e{-08}$	$6.3936e{-08}$	-	$00h\ 02m\ 34s$
RA r1 rl	$1e{-05}$	99/100	832	$6.5123e{-11}$	$6.5123e{-11}$	$4.9586e{-10}$	$4.9586e{-10}$	-	$00h\ 04m\ 58s$
RA r1 rl	1e - 06	98/100	1015	$5.3207e{-13}$	$5.3207e{-13}$	$5.2183e{-12}$	$5.2183e{-12}$	-	$00h\ 05m\ 12s$
RA r1 rl	1e - 07	99/100	1027	$7.494e{-15}$	$7.494e{-15}$	$5.5234e{-14}$	$5.5234e{-14}$	-	$00h\ 04m\ 17s$
RA r1 rl	$1e{-08}$	97/100	1022	$4.996e{-}16$	$4.996e{-}16$	$1.249e{-14}$	$1.249e{-14}$	-	$00h\ 04m\ 57s$
Ansatz	Tolerance	Converged runs	Mean iter	VQE min E.	Δ_{min}	VQE median E.	Δ_{median}	Exact	Time

Table 1